

In the Claims:

1. (Currently amended) A system, comprising:
 - a connection to a virtual private network;
 - a router, coupled ~~connected~~ to said virtual private network connection, wherein said router maintains a at least one virtual router, said virtual router configurable to be dedicated to a customer for a client;
 - a at least one server, said server having a at least one logical partition;
 - a virtual LAN switch, coupled ~~connected~~ to said router, said virtual LAN switch providing selectable forwarding of ~~for~~ information from said virtual router to said at least one logical partition in accordance with virtual LAN configuration information mapping the virtual router to the logical partition of said at least one server;
 - at least one volume;
 - an FC switch, wherein said FC switch provides selectable interconnection between said at least one logical partition of said at least one server and said at least one volume, so that information received from said customer a plurality of sources via said virtual private network connection is directed to said a particular virtual router for each of said sources by said router, and wherein said information is then directed to a particular one of said at least one logical partition of said server for each of said sources by said virtual LAN switch, and wherein said information is then directed to one of said at least one a particular volume for each of said sources by said FC switch.
2. (Original) The system of claim 1, further comprising a virtual private network management system that controls operation of said router.
3. (Original) The system of claim 2, said virtual private network management system further comprising: a network interface module that receives commands from an integrated service management system, a service order processing module that analyzes and executes the commands, updates a table of virtual private network information, and sends new configuration information to said router through a control module.

4. (Original) The system of claim 2, said virtual service management system further comprising a virtual private network table, said virtual private network table having a VPN ID that identifies a specific VPN, an Address 1 and an Address 2 that hold IP addresses of two end points of said specific VPN, a Protocol that specifies a VPN protocol that is used on said specific VPN, an Internet that indicates whether access to public Internet is permitted, and a VLAN ID that is assigned to packets received over said specific VPN.

5. (Original) The system of claim 1, further comprising a server management system that controls operation of said virtual LAN switch.

6. (Original) The system of claim 1, further comprising a storage management system that controls operation of said FC switch.

7. (Original) The system of claim 1, further comprising an integrated service management system that controls operations.

8. (Original) The system of claim 7, said integrated service management system further comprising: a network interface module that receives requests to change configuration, a service order processing module that analyzes and executes requests to change configuration received by said network interface module, updates related table cache in a service management database, and sends new configuration information using said network interface module.

9. (Original) The system of claim 8, further comprising an operator console application that sends a request command to change service configuration to said integrated management system.

10. (Original) The system of claim 8, further comprising a customer portal application that sends a request command to change service configuration to said integrated management system.

11. (Original) The system of claim 8, said integrated service management system further comprising a service configuration table, said service configuration table having destination information.

12. (Original) The system of claim 8, said integrated service management system further comprising a server table, said server table having a server identification, an address, a physical server identifier, a virtual LAN identification, a logical partition (LPAR) identification, a host bus adaptor (HBA) identification, an application identification, an operating system identifier, and a CPU information.

13. (Original) The system of claim 8, said integrated service management system further comprising a storage table, said storage table having a volume identifier, a port identifier, an allowed host bus adapter(s) (HBAs) identifier, a capacity identifier, and an access information.

14. (Original) The system of claim 8, said integrated service management system further comprising a service mapping table, said service mapping table having a customer identifier, a virtual private network identifier, a server identifier, and a volume identifier.

15. (Original) The system of claim 8, said integrated service management system further comprising a service status table, said service status table having a customer identifier, a virtual private network status, a server status, and a volume status.

16. (Currently amended) A method for managing storage, comprising:
receiving a request to change a configuration of an integrated storage and networking system;
analyzing said request to determine a new configuration;
updating configuration tables to reflect said new configuration, said configuration tables comprising a mapping between a logical partition in a server and at least one of a plurality

of HBAs coupled to at least one storage volume attached thereto and a mapping between a virtual router and the logical partition; and

sending new configuration information to at least one of a plurality of subsystem managers.

17. (Currently amended) A method for managing a configuration for a virtual private network, comprising:

receiving at a subsystem manager a request to change to a new configuration for a virtual private network of an integrated storage and networking system;

analyzing said request to determine a new configuration for said virtual private network of said integrated storage and networking system;

updating configuration tables to reflect said new configuration, said configuration tables comprising a mapping between a logical partition in a server and at least one of a plurality of HBAs coupled to at least one storage volume attached thereto and a mapping between a virtual router and the logical partition; and

sending commands to a virtual private network router to implement said new configuration.

18. (Currently amended) A method for managing a configuration for at least one of a plurality of servers, comprising:

receiving at a subsystem manager a request to change to a new configuration for at least one of a plurality of servers in an integrated storage and networking system;

analyzing said request to determine a new configuration for said at least one of a plurality of servers in said integrated storage and networking system;

updating configuration tables to reflect said new configuration, said configuration tables comprising a mapping between a logical partition in a server and at least one of a plurality of HBAs coupled to at least one storage volume attached thereto and a mapping between a virtual router and the logical partition; and

sending commands to a virtual LAN switch to implement said new configuration.

19. (Original) A method for managing a configuration for at least one of a plurality of storage devices, comprising:

receiving at a subsystem manager a request to change to a new configuration for at least one of a plurality of storage devices of an integrated storage and networking system;

analyzing said request to determine a new configuration for said at least one of a plurality of storage devices of said integrated storage and networking system;

updating configuration tables to reflect said new configuration, said configuration tables comprising a mapping between a logical partition in a server and at least one of a plurality of HBAs coupled to at least one storage volume attached thereto and a mapping between a virtual router and the logical partition; and

sending commands to a fibre channel switch to implement said new configuration.

20. (Canceled)